ABSTRACT OF THE DISCLOSURE

An image sensor improving the uniformity of effective
incident light.   In one example, the size of microlenses
disposed in different regions of the image sensor is changed
5   to balance the brightness in different regions, in which the
size of each microlens is a function of the distance between
the microlens to the chip center.   In another example, the
distance between the center of the microlens and the center
of the corresponding sensing area is changed to balance the
10   brightness in different regions and the corresponding color
filters are shifted such that the microlens is overlying a
corresponding color filter unit without overlying adjacent
regions thereof, in which the distance between the center of
the microlens and the center of the corresponding sensing
15   area is a function of the distance between the corresponding
sensing area to the chip center.

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